

$$1^\circ. \quad \frac{\sin 3\alpha + \sin \alpha}{\cos 3\alpha - \cos \alpha} + \operatorname{ctg} \alpha = ?$$

$$2^\circ. \quad \frac{\sin 3\alpha - \sin \alpha}{\cos 3\alpha + \cos \alpha} - \operatorname{tg} \alpha = ?$$